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Number 15

BIBLIOGRAPHICAL CONTRIBUTIONS

July, 1927

LIST OF THE PUBLICATIONS ON SOILS

issued by the

State Agricultural Experiment Stations of the United States
through 1926.

Compiled by

Cora L. Feldkamp, Librarian,
Office of Experiment Stations,

and

Catherine E. Pennington, Senior Library Assistant,
Office of Experiment Stations.

U. S. Department of Agriculture
Washington, D. C.

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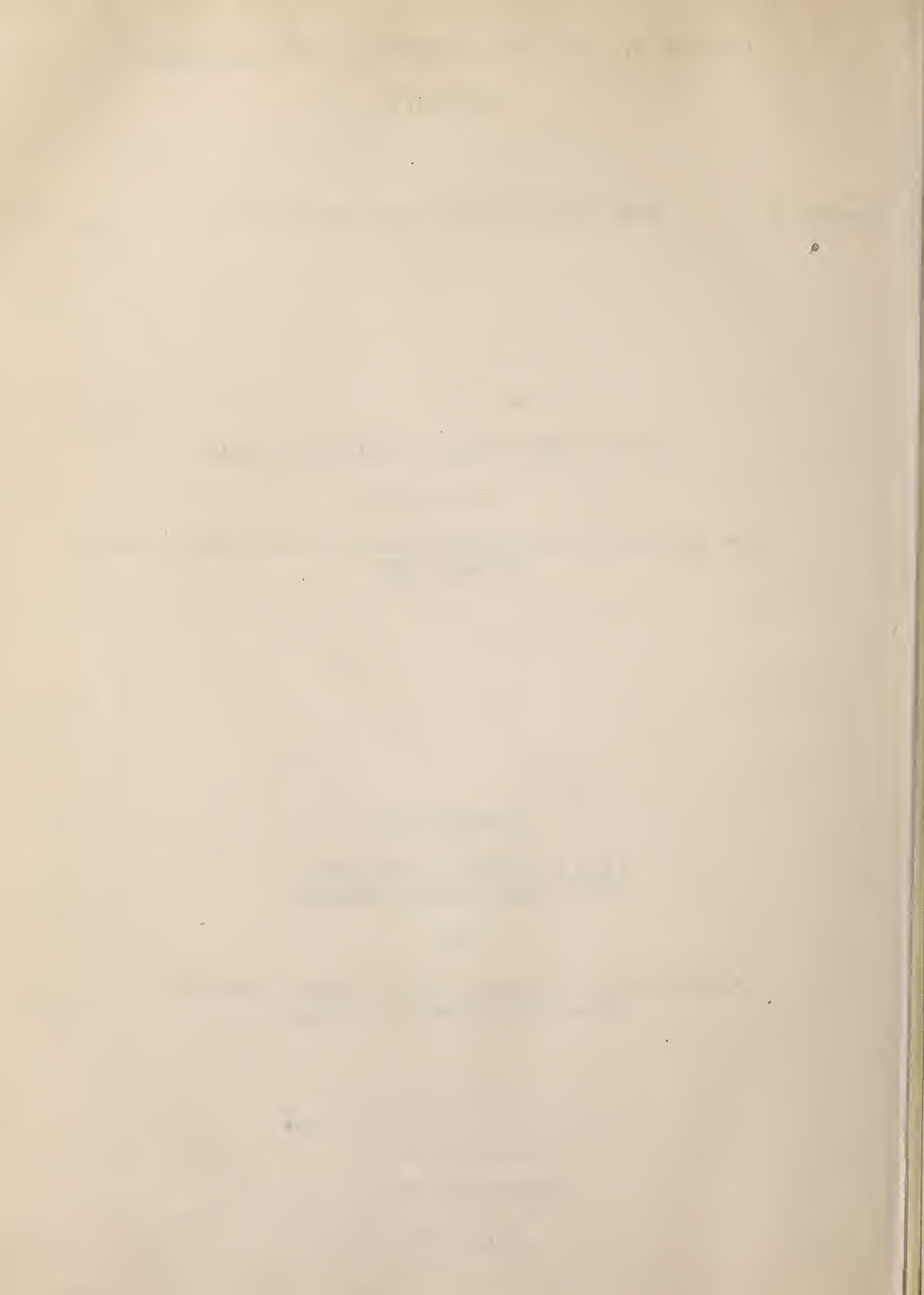
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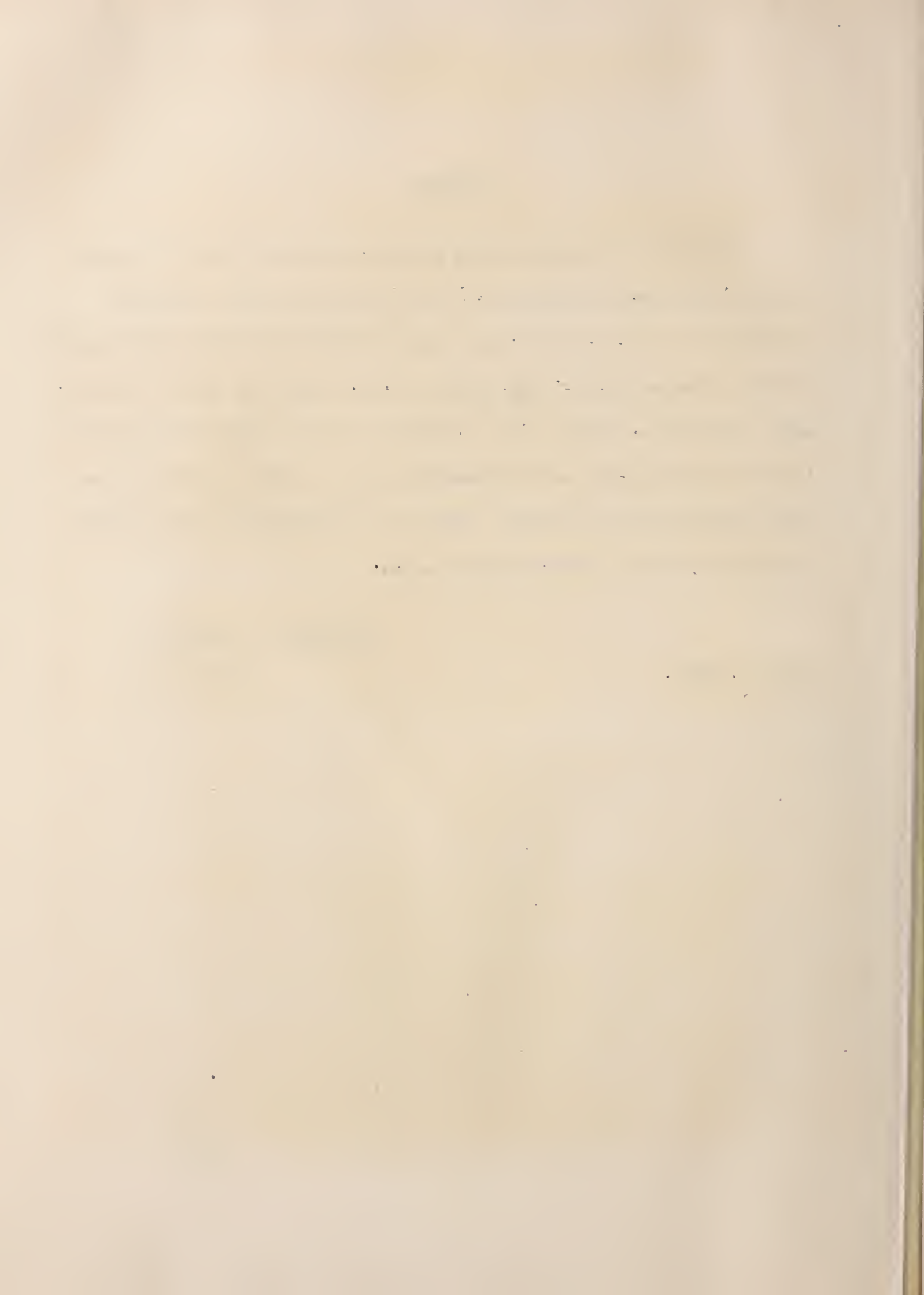
PREFACE

This list of publications on soils issued by the State Agricultural Experiment Stations of the United States was compiled primarily for use in connection with the First International Congress of Soil Science held in Washington, D. C., from June 13 to June 22, 1927, inclusive. With a few exceptions all the publications herein listed were included in "A Classified List of Soil Publications of the United States and Canada" issued by the Library in June, 1927, as Bibliographical Contribution no. 13.

Claribel R. Barnett,

July 7, 1927.

Librarian.



ALABAMA (COLLEGE) AGRICULTURAL EXPERIMENT STATION
Auburn, Alabama.

ANNUAL REPORT

Report

1919 p.19. Funchess, M. J. [The toxicity of soluble manganese
in acid soils] 1920.

BULLETIN

Number

- 5 p.6-23. Smith, E. A. Report on the phosphates of Alabama,
tabs., diags. 1884.
p.27-29. Stubbs, W. C. Agricultural and economic value of
phosphatic deposits. 1884.
10 Stubbs, W. C. Nitrogenous manures. 16 p. 1885,
ser. 2,
7 Lupton, N. T. Improvement of soils. 23p. tabs. 1886.
12 Newman, J. S. Co-operative soil tests, 1889. 15 p. tabs,
1890.
23 p.1-61. Newman, J. S. Co-operative soil tests of fertilizers,
1890, tabs. 1891.
34 Co-operative soil-test experiments for 1891. 46 p. tabs. 1892.
42 Bondurant, A. J., and Clayton, James. Co-operative soil test
experiments for 1892. 34 p. tabs. 1893.
48 p.3-10. Lupton, N. T. The effect of decomposing organic matter
on natural phosphates. tabs. 1893.
59 Bondurant, A. J. Co-operative soil tests of corn. 23 p. tabs,
1895.
78 Duggar, J. F. Co-operative fertilizer experiments with cotton
in 1896. p.35-81. tabs. 1897.
87 Duggar, J. F. Soil inoculation for leguminous plants. p.457-
488. illus., tabs. 1897.
91 Duggar, J. F. Co-operative fertilizer experiments with cotton
in 1897. p.41-103. tabs. 1898.
92 Earle, F. S., and Orr, A. W. Experiments with lime on acid
soils. p.105-112. illus. 1898.
102 Duggar, J. F. Co-operative fertilizer experiments with cotton,
1898. p.21-94. tabs. 1899.
113 Duggar, J. F. Co-operative experiments with cotton in 1899-
1900. 52 p. tabs. 1901.
131 Duggar, J. F. Co-operative fertilizer experiments with cotton
in 1901, 1902, 1903, and 1904. p.17-74. tabs. 1905.
145 Duggar, J. F. Local fertilizer experiments with cotton in
1905, 1906, 1907, and 1908. p.23-78. tabs. 1909.
160 Duggar, J. F. [and others] Local fertilizer experiments with
cotton in south Alabama in 1911. p.239-296. tabs. 1911.

ALABAMA (COLLEGE) AGRICULTURAL EXPERIMENT STATION

BULLETIN (cont'd)

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| Number | |
| 161 | Duggar, J. F., and Funchess, M. J. Lime for Alabama soils. p.299-324. tabs. 1911. |
| 162 | Duggar, J. F. [and others] Local experiments with cotton in north Alabama in 1911. 56 p. tabs. 1912. |
| 169 | Duggar, J. F., Williamson, J. T., and Hawley, L. J. Local fertilizer experiments with cotton in south Alabama in 1912. 42 p. tabs. 1913. |
| 170 | Duggar, J. F., Williamson, J. T., and Hawley, L. J. Local fertilizer experiments with cotton in north Alabama in 1912. p.43-74. tabs. 1913. |
| 174 | Duggar, J. F., Williamson, J. T., and Hawley, L. J. Local fertilizer experiments with cotton in south Alabama in 1913. p.145-192. tabs. 1913. |
| 175 | Duggar, J. F., Williamson, J. T., and Hawley, L. J. Local fertilizer experiments with cotton in north Alabama in 1913. 48 p. tabs. 1914. |
| 181 | Duggar, J. F., and Williamson, J. T. Local fertilizer experiments with corn in south Alabama in 1911, 1912, 1913 and 1914. p.151-182. tabs. 1914. |
| 182 | Duggar, J. F., and Williamson, J. T. Local fertilizer experiments with corn in north Alabama in 1911, 1912, 1913 and 1914. p.183-211. tabs. 1914. |
| 191 | Funchess, M. J. The effects of certain organic compounds on plant growth: coumarin, vanillin, pyridine, quinoline, dihydroxystearic acid, pyrogallol, etc. p.101-132. 8 pl., tabs. 1916. (Tech. Bul. 1) |
| 195 | Robbins, W. J. The cause of the disappearance of coumarin, vanillin, pyridine and quinoline in the soil. p.49-64. 2 pl., tabs. 1917. (Tech. Bul. 2) |
| 196 | Funchess, M. J. The nitrification of pyridine, quinoline, guanidine carbonate, etc., in soils. p.65-82. tabs. 1917. (Tech. Bul. 3) |
| 201 | Funchess, M. J. The development of soluble manganese in acid soils as influenced by certain nitrogenous fertilizers. p.37-78. 12 pl., tabs. 1918. (Tech. Bul. 4) |
| 204 | Robbins, W. J., and Elizando, A. E. The destruction of vanillin in the soil by the action of soil bacteria. p.125-131. tab. 1918. (Tech. Bul. 5) |
| 207 | Williamson, J. T., and Duggar, J. F. Local fertilizer experiments with cotton in south Alabama, 1914-1918, inclusive. p.151-240. tabs. 1918. |
| 219 | Williamson, J. T., and Funchess, M. J. Fertilizer experiments with cotton. 24 p. maps, tabs. 1923. |
| 225 | Gardner, W. A. The decomposition of toxins by soil organisms. 38 p. tabs. 1926. |

ALABAMA (COLLEGE) AGRICULTURAL EXPERIMENT STATION

CIRCULAR

Number

- 48 Funchess, M. J. Legumes in relation to soil fertility. 18 p.
illus., map, tabs., diags. 1923.

ALABAMA (CANEBAKE) AGRICULTURAL EXPERIMENT STATION

Uniontown, Alabama

BULLETIN

- 87 Stevens, F. D. Agricultural value of nitrogenous materials
for cotton on the Houston clays, as determined by field
trials; residual effect of cover crops; alfalfa, yields,
and effect as a means of restoring fertility. 16 p. illus.,
tabs. 1910.

ALABAMA (TUSKEGEE) AGRICULTURAL EXPERIMENT STATION

Tuskegee Institute, Alabama

BULLETIN

- 6 Carver, G. W. How to build up worn out soils. 15 p. illus.
1905.
25 Carver, G. W. A study of the soils of Macon County, Alabama,
and their adaptability to certain crops. 13 p. tab. 1913.

ARIZONA AGRICULTURAL EXPERIMENT STATION

Tucson, Arizona

BULLETIN

- 6 Collingwood, C. B. Soils and water. 8 p. tabs. 1892.
20 Forbes, R. H. Salt River Valley Soils. p.66-99. illus.,
map, tabs. 1898.
37 McClatchie, A. J. Winter irrigation of deciduous orchards.
p.206-240. illus., tabs., diags. 1901.
44 Forbes, R. H. The river-irrigating waters of Arizona, their
character and effects. p.143-214. illus., tabs., diags.
1902.
53 Forbes, R. H. Irrigating sediments and their effects upon
crops. p.59-98. illus., tabs., diags. 1906.
70 Clothier, R. W. Dry-farming in the arid Southwest. p.724-798.
5 pl., tabs., diagr. 1913.

ARIZONA AGRICULTURAL EXPERIMENT STATION

BULLETIN (cont'd)

Number

- 80 Forbes, R. H. Certain effects under irrigation of copper compounds upon crops; appendix: Methods of analyses. p.145-238. illus., 4 pl., maps, tabs, diagrs. 1916.
- 89 p.234-245. Vinson, A. E., Crider, F. J., and Thompson, G. E. Soil of the Yuma Mesa. illus., tabs. 1919.
- 102 Catlin, C. N., and Vinson, A. E. Treatment of black alkali with gypsum. p.294-337. illus., pl., tabs., diagrs. 1925.
- 104 Thompson, G. E., Hawkins, R. S., and Clark, S. P. Green manure and soil-building crops for Arizona. p.358-379. illus., pl. 1925.

TECHNICAL BULLETIN

- 4 Hawkins, R. S. The efficiency of legume inoculation for Arizona soils. p.60-85. illus., tabs. 1923.
- 6 Breazeale, J. F., and Burgess, P. S. The reaction between calcium sulphate and sodium carbonate, and its relation to the reclamation of black alkali lands. p.125-139. tabs. 1926.
- 8 Breazeale, J. F. A study of the Colorado River silt. p.164-185. tabs. 1926.
- 9 Burgess, P. S., and Breazeale, J. F. Methods for determining the replaceable bases of soils, either in the presence or absence of alkali salts. p.186-207. tabs., diagrs. 1926.
- 10 Breazeale, J. F., and Burgess, P. S. The availability of phosphates in calcareous or alkaline soils. p.208-237. illus., tabs. 1926.
- 11 Breazeale, J. F. Alkali tolerance of plants considered as a phenomenon of adaptation. p.238-256. illus., tabs. 1926.
- 12 McGeorge, W. T., Breazeale, J. F., and Burgess, P. S. Aluminum hydroxide in alkaline soils and its effect upon permeability. p.257-305. tabs., diagrs. 1926.
- 13 Breazeale, J. F., and McGeorge, W. T. Sodium hydroxide rather than sodium carbonate the source of alkalinity in black alkali soils. p.306-335. tabs., diagrs. 1926.

ARKANSAS AGRICULTURAL EXPERIMENT STATION

Fayetteville, Arkansas

BULLETIN

- 19 Teller, G. L. Manures and some principles in farm manuring. 55 p. 1892.
- 32 Newman, C. L. Farm drainage. p.33-54. 1894.

ARKANSAS AGRICULTURAL EXPERIMENT STATION

BULLETIN (cont'd)

Number

- 46 Bennett, R. L. Experiments with manures and rotation for improving worn cotton soils. p.78-100. illus., tabs. 1897.
- 47 Teller, G. L. Concerning fertilizers and manures, after effects of manures. p.101-118. tabs. 1897.
- 74 Branner, J. C., and Newsom, J. F. The phosphate rocks of Arkansas. p.58-123. illus., tabs. 1902.
- 140 Rather, J. B. An accurate loss-on-ignition method for the determination of organic matter in soils. 16 p. tabs., diags. 1917.
- 187 Nelson, Martin, Sachs, W. H., and Austin, R. H. The soils of Arkansas. 83 p. illus., maps. 1923.
- 205 Sachs, W. H. Effect of cultivation on moisture and nitrate content of field soil. 22 p. illus., tabs. 1926.

CALIFORNIA COLLEGE OF AGRICULTURE AND THE MECHANIC ARTS

Berkeley, California

REPORT

Report

- [1876-77] p.31-49. Hilgard, E. W. Analyses of soils; alkali soils. 1877.

CALIFORNIA AGRICULTURAL EXPERIMENT STATION

Berkeley, California

REPORT

- 1888-89 p.151-172. Hilgard, E. W. Soil investigation, its methods and results. 1890.
- 1890 p. 23-50. Hilgard, E. W. Analyses of soils. tabs. 1891.
- p. 87-99. Hilgard, E. W. Alkali, its nature, causes and repression. illus., tabs., diagr. 1891.
- p.100-105. Jaffa, M. E. Further experiments on the reaction between alkali sulphates, calcic carbonate, and free carbonic acid. 1891.
- 1891-92 p.24-48. Loughridge, R. H. Analyses of soils. tabs. 1893.
- p.48-49. Jaffa, M. E. Determination of organic nitrogen in soils. 1893.
- p.80-90. Loughridge, R. H. Alkali: reclamation test with gypsum at the experiment station near Tulare. tabs. 1893.
- p.241-257. Hilgard, E. W. The methods of physical and chemical soil analysis. illus. 1893.

CALIFORNIA AGRICULTURAL EXPERIMENT STATION

REPORT (cont'd)

Report

- 1892-94 p.47-61. Hilgard, E. W. Analyses of soils, tabs. 1894.
 p.61-63. Hilgard, E. W., and Jaffa, M. E. The digestion of soils for analysis. 1894.
 p.63-64. Jaffa, M. E. Comparison of the action of hydrochloric and oxalic acids in soil extraction. 1894.
 p.66-70. Hilgard, E. W., and Jaffa, M. E. On the nitrogen content of soil humus in the arid and humid regions. 1894.
 p.70-100. Loughridge, R. H. Investigations in soil physics. tabs., diags. 1894.
 p.100-139. Hilgard, E. W. The relations of soils to climate. tabs. 1894.
 p. 141-145. Colemore, Charles. The amount and kind of soluble salts present in different portions of an alkali spot, from the center to the circumference. pl., tabs. 1894.
 p.145-149. Reclamation of alkali land with gypsum at the Tulare station. pl. 1894.
 p.149-156. Analyses of alkali. tabs. 1894.
- 1894-95 p.13-23. Hilgard, E. W. Examination of soils. tabs. 1896.
 p.23-32. Hilgard, E. W. Late progress in soil examination. pl., tabs. 1896.
 p.71-91. Hilgard, E. W., and Loughridge, R. H. The growing of sugar beets on alkali soils. pl., tabs., diags. 1896.
 p.114-135. Hilgard, E. W. Improvement and fertilization of land. pls., tabs. 1896.
- 1895-97 p.29-37. Examination of soils. tabs. 1898.
 p.38-53. Loughridge, R. H. Alkali and alkali soils. tabs. 1898.
 p.53-75. Davy, J. B. Investigations on the natural vegetation of alkali lands. 8 pl., tabs. 1898.
- 1897-98 p. 31-40. Hilgard, E. W., and Loughridge, R. H. [Analyses of soils] 1900.
 p.40-64. Hilgard, E. W., and Loughridge, R. H. Endurance of drought in soils of the arid region. illus. 1900.
 p. 65-96. Loughridge, R. H. Moisture in California soils during the dry season of 1898. illus., tabs. 1900.
 p.99-113. Loughridge, R. H. Effect of alkali on citrus trees. tabs. 1900.
- 1898-1901 p.21-27. Loughridge, R. H. The gooselands of Glenn and Colusa counties. tabs. 1902.
 p.29-33. Davy, J. B. Alkali and the alkali indicators of the Glenn County "gooselands." 1902.
 p.33-43. Tolman, L. M. An investigation of soil sediments, as formed under arid conditions, with regard to their plant-food value. tabs. 1902.

CALIFORNIA AGRICULTURAL EXPERIMENT STATION

REPORT (cont'd)

Report

- 1898-1901 p.43-48. Rimbach, Charles. Investigations on the determination and composition of humus, and its nitrification. tabs. 1902.
- p.149-153. Hilgard, E. W. Irrigation, cultivation, and hardpan. 1902.
- p.153-172. Stubenrauch, A. V. A laboratory study of the percolation of water through soils. tabs., diags. 1902.
- p.172-184. Loughridge, R. H. Mechanical and chemical examination of soils. illus. 1902.
- p.190-204. Loughridge, R. H. Alkali and alkali land. tabs. 1902.
- p.204-214. Shinn, C. H. Alkali reclamation at Tulare substation. diags. 1902.
- 1902-1903 p.23-33. Loughridge, R. H. Examination of soils. tabs. 1903.
- p.39-57. Loughridge, R. H., and Shaw, G. W. Analyses of alkali soils. tabs. 1903.
- 1919 p.65-67. Alkali investigations. 1919.
- 1920 p.67-79. Alkali investigations. 1920.
- 1921 p.24-27. Alkali investigations. 1921.
- 1922 p.50-53. Alkali investigations. 1922.
- p.160-161. Winterer, E. V. Percolation of water through soils. diags. 1922.
- 1923 p.234-236. Winterer, E. V. Percolation of water through soils. diags. 1923.

REPORTS OF EXAMINATION OF WATERS, WATER SUPPLY, AND RELATED SUBJECTS

- 1886-89 p.51-57. Hilgard, E. W., and Weber, A. H. On the mutual reaction of carbonates, sulphates and chlorides of the alkaline earths and alkalies. 1889.

BULLETIN

Number

- 83 Hilgard, E. W. The rise of the alkali in the San Joaquin Valley. 4 p. tab. [1889?]
- 108 Hilgard, E. W., and Loughridge, R. H. The distribution of the salts in alkali soils. 14 p. diags. 1895.
- 121 Hilgard, E. W., and Loughridge, R. H. The conservation of soil moisture and economy in the use of irrigation water. 12 p. 4 pl. 1898.

CALIFORNIA AGRICULTURAL EXPERIMENT STATION

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| Number | |
| 128 | Hilgard, E. W. Nature, value, and utilization of alkali lands. 46 p. illus., diags. 1900. |
| 133 | Loughridge, R. H. Tolerance of alkali by various cultures. 43 p. illus., tabs. 1901. |
| 140 | Snow, F. J., Hilgard, E. W., and Shaw, G. W. Lands of the Colorado Delta in the Salton Basin. 51 p. map, tabs., diags. 1902. |
| 169 | Shaw, G. W. Field observations upon the tolerance of the sugar beet for alkali. 29 p. illus., tabs, diags. 1905. |
| 225 | p.247-288. Loughridge, R. H. Tolerance of eucalyptus for alkali. illus., tabs., diags. 1911. |
| 242 | Loughridge, R. H. Humus in California soils. p.49-92 tabs. 1914. |
| 253 | Robertson, R. D., and Nelson, J. W. Irrigation and soil conditions in the Sierra Nevada foothills, California. p.323-378. illus., diags. 1915. |
| 260 | Lipman, C. B., and Burgess, P. S. "The determination of availability of nitrogenous fertilizers in various California soil types by their nitrifiability." p.105-127. tabs. 1915. |
| 273 | Weir, W. W. Preliminary report on the Kearney vineyard experimental drain, Fresno County, California. p.101-123. illus., tabs., diags. 1916. |
| 318 | Kelley, W. P., and Thomas, E. E. The effects of alkali on citrus trees. p.303-337. illus., tabs. 1920. |

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| 6 | Hilgard, E. W. Methods of physical and chemical soil analysis. 23 p. illus., tabs. 1903. |
| 27 | Hilgard, E. W. Marly subsoils and the chlorosis or yellowing of citrus trees. 4 p. 1906. |
| 98 | Lipman, C. B. Flowing and cultivating soils in California. 4 p. [1913?] |
| 203 | Burd, J. S. Peat as a manure substitute. 10p. 1918. |
| 219 | Kelley, W. P. The present status of alkali. 10 p. 1920. |

CALIFORNIA AGRICULTURAL EXPERIMENT STATION

CIRCULAR (cont'd)

Number

- 292 Hibbard, P. L. Alkali soils, origin, examination, and management 14 p. 1925.
 305 Hibbard, P. L. Liming the soil. 15 p. tabs. 1926.
 306 Cosby, S. W. A general purpose soil auger and its use on the farm. 4 p. illus. 1926.

HILGARDIA

Volume

- 1 p.227-257. Hoagland, D. R. Physiological aspects of soil solution investigations. 1925.
 p.341-364. Shaw, C. F. The effect of a paper mulch on soil temperature. illus., tabs., diags. 1926.
 p.455-478. Cosby, S. W. Utilization of the soils in the Gilroy region. illus., maps, tabs., diags. 1926.
 2 p.67-106. Haas, A. R. C., and Reed, H. S. The absorption of ions by citrus and walnut seedlings. illus., tabs. 1926.
 p.125-284. Veihmeyer, F. J. Some factors affecting the irrigation requirements of deciduous orchards. illus., 3 pl., tabs., diags. 1927.

TECHNICAL PAPER

Number

- 1 Kelley, W. P., and Thomas, E. E. The removal of sodium carbonate from soils. 24 p. tabs. 1923.
 3 Cummins, A. B., and Kelley, W. P. The formation of sodium carbonate in soils. 35 p. tabs., diags. 1923.
 4 Reed, H. S., and Haas, A. R. C. Effect of sodium chlorid and calcium chlorid upon growth and composition of young orange trees. 21 p. 6 pl., tabs. 1923.
 8 Hoagland, D. R., and Martin, J. C. Effect of salts on the intake of inorganic elements and on the buffer system of the plant. 26 p. tabs., diags. 1923.
 9 Hibbard, P. L. Experiments on the reclamation of alkali soils by leaching with water and gypsum. 14 p. tabs. 1923.
 10 Batchelor, L. D., and Reed, H. S. The seasonal variation of the soil moisture in a walnut grove in relation to the hygroscopic coefficient. 31 p. illus., tabs., diags. 1923.
 11 Reed, H. S., and Haas, A. R. C. Studies on the effects of sodium, potassium, and calcium on young orange trees. 23 p. 5 pl., tabs. 1923.
 12 Hoagland, D. R. The effect of the plant on the reaction of the culture solution. 16 p. tabs. 1923.
 13 Burd, J. S., and Martin, J. C. Some mutual effects on soil and plant induced by added solutes. 27 p. tabs., diags. 1923.

CALIFORNIA AGRICULTURAL EXPERIMENT STATION

TECHNICAL PAPER (cont'd)

Number

- 15 Kelley, W. P., and Brown, S. M. Replaceable bases in soils. 39 p. tabs. 1924.
- 16 Veihmeyer, F. J., Israelsen, O. W., and Conrad, J. P. The moisture equivalent as influenced by the amount of soil used in its determination. 62 p. illus., 2 pl., tabs., diagrs. 1924.
- 17 Reed, H. S., and Haas, A. R. C. Nutrient and toxic effects of certain ions on citrus and walnut trees with especial reference to the concentration of P_n of the medium. 75 p. illus., pls., tabs., diagrs. 1924.

COLORADO AGRICULTURAL EXPERIMENT STATION Fort Collins, Colorado

BULLETIN

- 9 O'Brine, David. Soils and alkali, fertility, irrigation, etc. 27 p. 1889.
- 46 Headden, W. P. A soil study: Part I. The crop grown: Sugar beets. 63 p. tabs. 1898.
- 58 Headden, W. P. A soil study: Part II. The crop grown: Sugar beets. 46 p. tabs. 1900.
- 65 Headden, W. P. A soil study: Part III. The soil. 56 p. tabs. 1901.
- 72 Headden, W. P. A soil study: Part IV. The ground water. 48 p. tabs. 1902.
- 82 Headden, W. P. Colorado irrigation waters and their changes. 79 p. tabs. 1903.
- 83 Headden, W. P. Irrigation waters and their effects. 16 p. 1903.
- 99 Headden, W. P. How can we maintain the fertility of our Colorado soils? 16 p. 1905.
- 103 Olin, W. H. The thorough tillage system for the plains of Colorado. 32 p. illus., pl., tabs. 1905.
- 131 Headden, W. P. Arsenical poisoning of fruit trees. 27 p. illus. 1908.
- 155 Headden, W. P. The fixation of nitrogen in some Colorado soils. 48 p. illus., tabs. 1910.
- 157 Headden, W. P. Arsenical poisoning of fruit trees. 56 p. illus., tabs. 1910.
- 160 Headden, W. P. Nitrates in the soil, an explanation of so-called "black alkali" or brown spots. 8 p. 1910.
- 178 Headden, W. P. The fixation of nitrogen in some Colorado soils: A further study. 96 p. 6 pl., tabs. 1911.
- 179 Sackett, W. G. Bacteriological studies of the fixation of nitrogen in certain Colorado soils. 42 p. illus., 2 pl., tabs. 1911.
- 183 Headden, W. P. Deterioration in the quality of sugar beets due to nitrates formed in the soil. 184 p. illus., tabs. 1912.

COLORADO AGRICULTURAL EXPERIMENT STATION

BULLETIN (cont'd)

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| Number | |
| 184 | p.3-23. Sackett, W. G. The ammonifying efficiency of certain Colorado soils. illus., tabs. 1912. |
| 184 | p.24-36. Robbins, W. W. Algae in some Colorado soils. 4 pl., tabs. 1912. |
| 186 | Headden, W. P. The fixation of nitrogen in Colorado soils: The distribution of the nitrates and their relation to the alkalis. 47 p. tabs. 1913. |
| 193 | Sackett, W. G. The nitrifying efficiency of certain Colorado soils. 43 p. tabs., diags. 1914. |
| 196 | Sackett, W. G. Some soil changes produced by micro-organisms. 39 p. 3 pl. 1914. |
| 230 | Headden, W. P. The waters of the Rio Grande, a contribution to the hydrology of the San Luis Valley, Colorado. 62 p. tabs. 1917. |
| 231 | Headden, W. P. "Black alkali" in the San Luis Valley. 15 p. 1917. |
| 235 | Sandsten, E. P. Reclaiming nitre soil in the Grand Valley. 8 p. illus. 1917. |
| 239 | Headden, W. P. Alkalis in Colorado (including nitrates). 58 p. 1918. |
| 258 | Headden, W. P. The fixation of nitrogen in Colorado soils. A study of the Wellington district, Larimer County, Colorado. 48 p. tabs., diags. 1921. |
| 267 | Headden, W. P. Titanium, barium, strontium and lithium in certain plants. 20 p. tabs. 1921. |
| 277 | Headden, W. P. Fixation of nitrogen in Colorado soils: Occurrence of nitrates on rocks. 48 p. 1922. |
| 286 | Headden, W. P. A peculiar soil condition in the San Luis Valley. 15 p. illus. 1923. |
| 291 | Headden, W. P. The effects of nitrates on the composition of the potato. 32 p. tabs. 1924. |
| 294 | Headden, W. P. Some orchard conditions affected by arsenicals, marls and other factors. 31 p. illus., tabs. 1924. |
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29	Stevenson, W. H., Brown, P. E. [and others]	Mahaska County soils.
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Bozeman, Montana

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